

On the Corrosion Resistance of Steels in Contact
With Hydrogen Sulfide, by H. Ishizuka, R. Chiba.

JAPANESE, per, Tetsu to ~~HO~~ Hagane, Vol XLVIII,
No 4, 1962, pp 645-647.

Sci-N/M

Aug 63

HB 6016
(NATIONAL BUREAU STANDARDS)
T-8

943478

Effect of Zirconium on Austenitic Grain
Size in Iron and Steel, by A. Adachi.
JAPANESE, per, Tetsu to Hagane, Vol 48,
April 1962, pp 683-687.
*BISI 4963

Sci-M&M
Jul 66

306,492

On the Air Gap Between Billet and Mold, by
K. Ushijima.

JAPANESE, per, Betsu to Hagane, Vol. XXXL,
No 6, 1962, pp 747-752.

HB 5633

Sci-Min/HEMet
Jan 63

219,996

CEA-tr-X-528 Uncl.

EFFET DU TITANE ET DU ZIRCONIUM SUR LA FRAGILITÉ
À CHAUD DES ACIERS INOXYDABLES À BAS MANGANESE
POUR RÉACTEURS NUCLEAIRES. (Effects of Titanium
and Zirconium on the High-temperature Embrittle-
ment of Manganese-base Stainless Steels for
Nuclear Reactors). Masao Kawahata. Translated
into French from Tetsu To Hagane, 48: 782-7
(May 1962). 27p. 922 0581

Metallurgy; Reactor Materials; Translations
MC-25

C-25 NP RC Dep.(mc); \$2.60(fs), \$1.01(mf)
JCL

N-3

On Positive Measures for Prevention
of Defects in Continuous-Cast Billets,
Part VII of Study of Continuous Casting
of Steel, by K. N. Ushijima.

JAPANESE, per, Tetsu to Hagane,
Vol. XLVIII, No 7, 1962, pp 845-849.

HB 5666

Sol - Min/Net
Dec 62

217.437

On the Homogeneity of Composition and Structure of ~~Continuous~~ Continuous Cast Billet Materials, Report VIII, by Y. Aketa, K. Ushijima.

JAPANESE, per, Totsu to Hagane, Vol XLVIII, No 8, 1962, pp 933-940.

HB 5670

Sci-M/M
Apr 63

229,378

New Technical Developments in Ferro-alloy Production, by
S. Shoitani.

JAPANESE, per, Tetsu-To-Hagane, Vol 48, No 9, 1962, pp
1076-1084.

(GB/209/Aust/CRL/T. 1842)

Sci -

Aug 67

339,944

Rapid Determination of Composition of (Steelmaking)
Slags by Spectro-chemical Analysis, by Y. Abe, et al.

JAPANESE, per, Tetsu To Hagane, Vol XLVIII, No 11, 1968
pp 536-538.

HB 6058

Mat & Met
Oct 63

Observations on the Injection of Oil Into the
Elast Furnace, by Y. Hiyama, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1219-1221.

HB 5806

Sci-Min/ME Met
Jan 63

219,935

On the Rate of Fluid-Bed Reduction of Iron
Ores, by A. Okura, Y. Matsushita.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1237-1238.

HB 5865

Sci-M/M
Apr 63

229,359

On the Deoxidation Process in the Melting
of Stainless Steel, by T. Kakutani,
T. Matsukura, et al,

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1273, 1274.

HB 5867

Sci-M/M
Apr 63

229,373

Removal of Arsenic From Liquid Iron by Vacuum
Melting, by T. Tottori, M. Ejima.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII, No 11,
1962, pp 1294-1295.

HB 5842

Sci-M/M
Apr 63

229,372

Chemical Analysis of Nonmetallic Inclusions
After Extraction With an Ultrasonic Drill,
by K. Segawa, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1297-1299.

HB 5965

Sci-M/M

Aug 63

343,480

An Example of Materials Control in Steel Plants,
by Ts. Kai, et al.
JAPANESE, per, Tetsu to Hagane, Vol III, No 11,
1962, pp 1321-1322.
HB 6165

Sci-~~5588~~Misc
June 64

261,776

Effect of Vacuum Casting on the Quality of Steels
for Rolling, Part I, by Y. Kitamura, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1338-1340.

HB 5807

Sci-Min/Met
Jan 63

219.967

Rimmed Steel Ingots Solidified Under Reduced
Pressure, by S. Watanabe, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII, No 11,
1962, pp 1340-1342.

HB 5805

Sci-Min/Met
Jan 63

219,934

On an Experimental Water-Cooled Basic Oxygen
Furnace, by R. Sato, N. Tahata.

JAPANESE, per, Tetsu to Hagane, Vol XLVII, H
No 10, pp 1346-1348

HB 5355

Sci-Materials & Metallurgy
July 63

235,844

Layout and Operation of Basic Oxygen Furnaces at Murooran,
Japan, Works, by Sh. Toyoda.
JAPANESE, per, Tetsu to Hagane, Vol XLVIII, No 11, 1962,
pp 1354-1356.

HB 3841

Sci - M/M

Mar 64

250,779

Studies of Used Bricks Taken From Basic Oxygen
LD Furnace Linings, by E. Homma, T. Onoda.

JAPANESE, per. Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1359-1362.

HB 5741

Sci-Engr

Nov 63

243,428

On the Melting Power of Coke With Cold Metal
Charges [in the Oxygen LD Furnace], by Y.
Aoyama, H. Usui.

JAPANESE, Per, Tatsu to Hasegawa, Vol XLVIII,
No 11, 1962, pp 1363-1364.

HB 5766

Sci-M/M
Jan 64

246,369

Some Problems Arising From the Use of Coke
[in the Basic Oxygen LD Process], by H.Y.
Aoyama, et. al.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1365-1366.

HB 5767

Sci-M/M
Jan 64

241, 362

Production of API Oil-Well Casing Grade J-55
Steel by the Basic Oxygen (LD) Process, by
T. Itaka, et al.

JAPANESE, per, Tetsu to Hagane, Vol. ~~XXXIV~~ ^{XLVIII},
No 11, 1962, pp 1366-1368.

HB 5851

229,384

Sci-M/M
Apr 63

Production of Constructional Carbon Steel NC...
Type by the Basic Oxygen (LD) Process,
by T. Iizuka, R. Fujii, et al.

JAPANESE, per. Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1368-1371

HB 5850

Sci-M/M
Apr 63

229,383

On the Behavior of Nitrogen in the Basic Oxygen Steelmaking
Process, by H. Otaki.
~~EX~~JAPANESE, per, Tetsu to Hagane, Vol XLVIII, No 11, 1962,
pp 1371, 1372.

HB 5759

Sci - M/M

Mar 64

250,781

Rate of Carbon Elimination in the Basic Oxygen
LD Furnace, by T. Fuji, S. Ura.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1372-1374.

HB 5758

Sci-Min/Met
Jan 63

219,968

Ways of Improving the Hot Workability of High-Alloy Steels, by T. Nakano, H. Takada.

JAPANESE, per, Tatsu to Hagane, Vol XLVIII, No 11, 1962, pp 1381-1383.

HB 5958

Sci-Materials & Metallurgy
July 63

235,784

Manufacturing Trials on 20/30% Chromium-Nickel Steel
Tubes and Their Properties, E by T. Matsuo,
et al.

JAPANESE, per, Tetsu To Hagane, Vol XLVIII, 1962, No 1
pp 1385-85.

HB 6056

Mat & Met
Oct 63

345-226

Effect of Lubricants and Tool Geometry on the Metal
Flow and Extrusion Force in Extrusion of Tubing, by
H. Kojima, T. Suzuki, R. Sato.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII, No 11,
1962, pp 1394-1395.

HB 5843

Sci-Min/Met
Mar 63

Program-Controlled Consumable-Electrode Vacuum-Arc
Melting Furnace, by S. Tokuda, S. Kubota, M. Kosaka.

JAPANESE, Tetsu to Hagane, Vol XLVIII, No 11, 1962,
pp 1410-1411.

HB 5791

Sci-Min/Met
Mar 63

Properties of Valve Steels Melted in the Consumable-Electrode Vacuum-Arc Furnace, by T. Araki, M. Yano, H. Ohashi.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII, No 11, 1962, pp 1411-1413.

HB 5792

Sci-Min/Met
Mar 63

Characteristics of Die Steels Melted in the Consumable-
Electrode Vacuum-Arc Furnace, by H. Ohashi, T. Sakajo,
M. Ozawa.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII, No 11, 1962,
pp 1413-1415.

HB 5793

Sci-Min/Met
Mar 63

Uranium Additions to Low-Carbon Steels. Part I.
by M. Hasegawa, I. Onoda.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1438-1439.

HB 5808

Sci-Min/Met
Jan 63

219,986

On the Heat Treatment of Some Hot-Work Die
Steels, by M. Takeshita, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1454-1456.

HB 5798

Sci-Min/Mat
Jan 63

219,977

Effect of Molybdenum, Manganese and Silicon
Upon Boron-Treated Manganese-Silicon and
Silicon-Chrome, Molybdenum Steels With Re-
duced Carbon, by E. Asano, T. Kahida, H. Tan.

JAPANESE, per, Tetsu to Hagane, VolXLVIII,
No 11, 1962, pp 1456-1458.

Sci-Min/M-t
Jan 63

219,976

Heat Treatment of High-Strength Low Nickel-Chrome-Vanadium Steel, by T. Yamane.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII, No 11, 1962, pp 1458-1460.

HB 5732

Sci-Min/Met
Mar 63

Addition of Rare Earth-Calcium-Silicon Alloys
to 18% Cr and Cr-Mn Stainless Steels, by
M. Hasegawa, et al.

JAPANESE, PER, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1485-1487.

HB 5874

Sci-M/M
Apr 63

229,370

Effect of Ausforming on Impact Toughness and
Creep Rupture Strength of 13% Cr Steel, by
Y. Hosoi,

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1487-1488.

HB 5875

Sci-M/M
Apr 63

229,369

Behavior of Sigma Phase in 25% Ni, 20% Cr Stainless
Steel, by K. Takahashi, T. Onishi, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1488-1490.

HB 5873

Sci-M/M
Apr 63

229,371

Effect of Boron, Carbon, Nickel and Chromium on the Properties of Boron Stainless Steel, Report I, by T. Nishima.

JAPANESE, per. Tetsu to Hagane, Vol XLVIII, No 11, 1962, pp 1495-1496.

HB 6027

Sci-M/M

Aug 63

343,484

Effect of Some Alloying Elements on the Properties
of Boron Stainless Steel, by T. Nishima.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, XXXX1962, pp 1496-1498.

HB 6029

Sci-M/M

Nov 63

243,448

Effects of Composition and Structure on the
Properties of Chrome-Nickel Stainless Steels With
Special Reference to Titanium and ~~CHROMIUM~~ Columbium
Additions, by R. Nakagawa, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,
No 11, 1962, pp 1500-1502.

HB 6028

Sci-M/M

Aug 63

343,477

Spectrographic determination of Lanthanum and
Cerium in Plain Carbon Steel, by Z. Takao, et al.

~~RE~~JAPANESE, per, Tetsumoto Hagano, Vol XLVIII,
No 11, 1962, pp 1511-1513

HB 5968

Sci-M/M

Aug 63

343485

On the Equilibrium Relations Between
Iron and Exothermic Atmospheres
Converted From Propane, by K. Nagasaki,
N. Komuro.
JAPANESE, per, Tetsu to Hagane, Vol 48,
No 12, Oct 1962, pp 1569-1574.
BISI 3531

Sci/DEGM
Aug 65

284,718

Results Obtained With the Use of Tar-Bonded
Dolomite Brick, by Y. Aoyama, et al.

JAPANESE, per, Tetsu to Hagane, Vol ~~REIN~~ XLIX,
No 3, 1963.

HB 5925

Sci-M/M

Nov 63

243,427

Continuous Determination of the Oxygen Dissolved
in Molten Steel by E.M.F and its Practical
Application, by M. Ohnari, K. Sanbongi.
JAPANESE, per, Tetsu-to-Hagane, Vol XLIX, No 1,
1963, pp 22-29.
BISI 3X670

Sci - Engr
Jul 64

262,994

Continuous Annealing of Cold-Rolled Sheets,
by K. Hironaka.
JAPANESE, per, Tetsu to Hagane, Vol 49,
Jan 1963, pp 63-78.
NTSI 4902

Sci - Mechanical, Industrial,
Civil, and Marine Engineering
Doc 66

314,469

Use of Oxygen for Better Combustion in Blast-
Furnace Stoves, in Conjunction With Oil
Injection Into the Blast Furnace, by
C. Sakai, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLIX,
No 3, 1963, pp 294-297.

HB 6017

Sci-M/W

243,476

Aug 63

On the Microstructure of Self-Fluxing (Blast-Furnace) Sinter, by H. Kishitaka, N. Sato, et al.,.

JAPANESE, per, Tetsu to Hagane, Vol ~~XXXX~~, No 3,
1963, pp 329-30. *X24,*

HB 6054

Mat & Met
Oct 63

345,180

Refining of Liquid Pig Iron in the Electric Arc
Furnace, by M. Oka.

JAPANESE, per, Tetsu To Hagane, Vol XLIX, No 3,
pp 364-366, 1963.

HB 5989

Met & Met
Oct 63

345, 168

Behavior of Oxygen During the Oxidizing process
in Contact of a Basic iron Ore Furnace Heat, by
Ch. Noda, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLIX, No 3,
1955, pp 363-366.

EB 6072

Sci-4/11
Jan 64

246, 363

Layout and Operation of the Basic Oxygen DL Plant
at Chiba Japan Works, by E. Iwamura, Y. Yagi,
et al.

JAPANESE, per, Tetsu to Hagane, Vol XLIX, No 3,
1963, pp 392, 393.

HB 5926

Sci- Engr
Dec 63

243,927

Operation of a Basic Oxygen LD Plant Without Mixer
at the Fukuda Works of Yawata Iron and Steel Co.,
Ltd, by T. Koide et al.

JAPANESE, par, Tetsu To Hagane, Vol 2 XLIX, 1963, No 3,
p. 1513-14. J 94-345.

HB 5927

Mat & Met
Oct 63

345,175

Use of Cold Pig Iron in the Basic Oxygen LD Furnace,
by Y. Asayama et al.

JAPANESE, por, Tetsu To Hagane, Vol XLIX, No 3, PP
395-97, 1963.

HB 5928

Met & Met
Oct 63
H

345, 177

On the Effect of the Manganese Content
in the Hot Metal Upon the Basic Oxygen
LD Process. Report I entitled 'A Study
of the Effect of the Hot Metal Composition'.
by T. Itaka, et al.
JAPANESE, per, Tetsu to Hagane, Vol 49,
No 3, 1963, pp 397-399.
HB 5929

FE-Japan
Sci/Eng
Jun 65

280,962

Some Experiments on the Acceleration
of the Removal of Phosphorus From
Basic Oxygen Heats, by T. Kato, et al.
JAPANESE, per, Tetsu to Hagane, Vol 49,
No 3, 1963, pp 399-400
HB 5930

FE-Japan
Sci/HQM
Jun 65

280,980

Rate of ~~RR~~Rotation of Teeming Ladles Used in a
Basic Oxygen LD Plant, by H. Hirao, R. Oya.

JAPANESE, per, Tetsu to Hagane, Vol XLIX,
No 3, 1963, pp 403, 404.

HB 5932

Sci-Engr

Nov 63

243,426

Operating Results Obtained in a 130-ton
Basic Oxygen Furnace Equipped With an OG
Gas Recovery System, by Sh. Morita, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLIX,
No 3, 1963, pp 405, 406.

HB 5933

Sci-Engr

243,595

Nov 63

Effect of Certain Operating Factors in the
Basic Oxygen LD Process Upon the Metallic
Yield, by Y. Shimogo.

JAPANESE, per, Tetsu to Hagane, Vol XLIX,
No 3, 1963, pp 407, 408.

HB 5934

Sci-M/M

243,593

Nov 63

Conditions Governing the Phosphorus Reversion in
Basic Oxygen LD Furnaces During the Tap, by
T. Itaka, K. Saito, O. ~~Yuroga~~

JAPANESE, per, Tatsu to Hagane, Vol XLIX, No 3,
1963, pp 408-410.

HB 5935

Sci-Engr

243,926

Dec 63

Computerized ~~EXM~~Control of the End-Point Temperature in the Basic Oxygen LD Process, by Sh. Watanabe, et al.

JAPANESE, per, Tetsu to ~~XXXX~~Biagane, Vol XLIX, No 3, 1963, pp 410-412.

CR4/T. 1743

HB 5936

Sci-M/M

Aug 63

343, v74

Studies on the Identification of Nonmetallic
Inclusions with an Electron-Probe Microanalyzer,
by H. Otaki et al.

JAPANESE, per, Tetsu To Hagane, Vol XLIX, 1963,
No 3, pp 418-19.

HB 6062

Mat & Met
00763

345, 176

Aluminum Deoxidation and Nonmetallic Inclusions
in Steel, by T. Uchiyama, .
JAPANESE, per, Tetsu to Hagane, Vol 11, No 3,
1963, pp 431-433.
HB 6258

Sci-M & M
June 64

.261,792

Nonmetallic Inclusions in the Iron-Chromium-Oxygen
System, by K. Segawa, et al.
JAPANESE, per, Tetsu to Hagane, Vol IL, No 3,
1963, pp 433-435.
HB 6259

Sci-M & M
June 64

261,793

Nonmetallic Inclusions in Steel From Refractories
and Deoxidizers, by S. Maekawa, et al.
JAPANESE, per, Tetsu to Hagane, Vol. 3, No. 3,
1963, pp 435-438.
HB 6260

Sci-M & M
June 64

261,777

Macroscopic Inclusions Caused by Atmospheric
Oxidation, by K. Senda.
JAPANESE, per, Tetsu to Hagane, Vol II, No 3,
1963, pp 438-439.
HB 6262

Sci-M &M
June 64

261,791

On the Relationship Between the Rate of Solidification
and the Segregation of Ball-Bearing Steel, by Sh. Sawa.

JAPANESE, per, Tetsu To Hagane, Vol XLIX, 1963, No 3,
pp 461-463.

HB 6057

Met & Mat
Oct 63

345,166

Changes in Composition During Consumable-Electrode Vacuum Arc Melting, by T. Suzumoto, S. Datayama.

JAPANESE, per, Tetsu to Hagane, Vol XLIX, No 3, 1963, pp 465-468.

HB 5970

Sol-M/M
Jan 64

246, 345

On the Direct Extrusion of Stainless Steels Produced
by the Consumable-Electrode Vacuum-Arc Melting
Process, by A. Suzuki, et al.
JAPANESE, per, Tetsu to Hagane, Vol IL, No 3,
1963, pp 468-469.
HB 5971

Sci-M & M
June 64

261,779

Steam Turbine Steels Produced by Consumable-
Electrode Arc Melting, by A. Suzuki, et al.
JAPANESE, per, Tetsu to Hagane, Vol II, No 3,
1963, pp 469-471.
HB 5972

Sci-M & M
June 64

261,790

Gas Turbine Rotor Shaft of Consumable-Electrode Arc Melted
Steel, by A. Suzuki.
JAPANESE, per, Tetsu to Hagane, Vol XXXI XLIX, No 3, 1963,
pp 471, 472.

HB 5973

Sci - M/M

Mar 64

250,8782

Comments on Ingot Metals Cast Directly From
Blast-Furnace Hot Metal Compared with Cupola Iron,
by Y. Kitamura et al.

JAPANESE, per, Tetsu To Hagane, Vol XLIX, 1963,
No 3, pp 525-526.

HB 6047

Met & Met
Oct 63

345,160

Effect of Tin Additions to Ductile Iron for Ingot
Molds, by O Tsuneda.

JAPANESE, per, ^{To}Tetsu Hagane, Vol. XLIX, 1963, No 3,
pp 527-528.

HB 6053

Mat & Met
Oct 63

345,169

Additions of Uranium to 0.20-0.40% Carbon Steels,
by M. Hasegawa, I. Onoda.

JPAPANESE, per, Tetsu To Hanage, Vol XLIX, No 3,
1963, pp 536-38. ~~Japanese~~ 3

HB 4135 16
5969

Mat & Mat
Oct 63

345, 185

Behavior of Columbian Carbides and Columbium
Nitrides in Steel, K. Yamaguchi, et. al.

JAPANESE, per, Tetsu to Hagane, Vol XLII,
No 2, 1963, pp 538-540.

EA 6018

Sci-M/M
Jan 64

246,364

Investigation into Titanium and Columbium
Sulfides in Steel, by K. Kano, N. Tokizane, et al.,.

JAPANESE, per, Tetsu To Hagane, Vol. ~~XXXX~~, 1963,
No 3, pp 540-51. *X 418*

HB 6055

Mat & Met
Oct 63

345, 178

Continuous Automatic Ultrasonic Inspection
of Heavy Steel Plate, by J. Muraki, et al.

IN JAPANESE, per, Tetsu to Hagane, Vol XLIX,
No 3, 1963, pp 583-585.

HB 5974

Sci-M/M

Aug 63

343,475

Effect of Molybdenum and Columbium
on the Properties of Nitrogen Alloyed
25% Cr, 23% Ni Heat-Resisting Steels.
Report II of Studies of High-Nitrogen
25% Cr Austenitic Heat-Resisting Steels,
by M. Okamoto, et al.
JAPANESE, per, Tetsu to Hagane, Vol 49,
No 3, 1963, pp 612-615.
HB 6306

FE-Japan
Sci/HEM
Jun 65

280,971

Relationship Between Deoxidation and Nonmetallic
Inclusions in the Melting of Stainless Steel, by
R. Ichiyasu.
JAPANESE, per, Tetsu to Hagane, Vol IL, No 3,
1963, pp 620-623.
HB 5976

Sci-M & M
June 64

261,778

Effect of Sulfur Additions on the Machinability
of Austenitic Stainless Steel, by H. Osawa,
K. Ito.

JAPANESE, 1 per, Tetsu To Hagane, Vol XLVIII, 1963,
No 3, pp 623-25.

HB 5977

Mnt & Met
Oct 63

345,225

On the Hot Workability of Stainless Steels,
by T. Fujioka, et al.

JAPANESE, per, Tetsu to ~~Ken~~Hagane,, Vol XLIX,
No 3, 1963, pp 625, 626.

HB 5978

Sci-W/M

Nov 63

243,447

Study of the Multiple-Specimen Creep Rupture
Test, by T. Fujita, T. Sasakura, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLIX, No 3,
1963, pp 627-629.

HB 5979

Sci-Engr

Nov 63

243, 445

The Spectrophotometric Determination of
Manganese in Iron and Steel, by T. Amaki,
T. Tominaga, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLIX,
No 3, 1963, pp 629-631.

HB 6059

Sci-M/M

Nov 63

243, 446

Determination of Hafnium in Steel, by
K. Narita, S. Nasu.

JAPANESE, per, Tetsu to Hagane, ~~XXXXXXXX~~
Vol XLIX, No 3, 1963, pp 631, 632.

HB 5967

Sci-M/M

Aug 63

343,479

Metallographic Analysis of the Nitrides of Aluminum,
Titanium and Zirconium in Low-Carbon Steel, by
Sh. Mankawa et al.

JAPANESE, per, Tetsu To Hagane, Vol XLIX, 1963, No 3,
pp 634-36.

OCT 63

HB 6051

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Mat: & Met:

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~~345,159~~
345,159

and determination of rare-earth elements in basic
Steelmaking Slags, by S. Wakamatsu.

JAPANESE, per, Tetsu to Hagane, Vol XLIX, No 3,
1963, pp 638-640.

HB 6088

Sci-M/M

Dec 63

243,929

Analysis of Hydrogen in Cast Iron by the Vacuum Fusion
Method, by E. Kato.

JAPANESE, per, Tetsu To Hagane, Vol XLIX, 1963, pp 641-
643.

HB 6050

Mat & Met
Oct 63

345,167

Analysis of Gases in Steel by Gas Chromatography, by S. Sawa, T. Mori, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLIX, No 3, 1963, pp 643-645.

HB 6089

Sci-N/M

dec 63

243,028

(Spectrographic) Determination of Lanthanum and Yttrium
in Austenitic Steel, by Z. Takao et al.

JAPANESE, per, Tetsu To Hagane, Vol XLix, 1963, No 3,
pp 1513, 14.

HB 6061

Mat & Met
OCT 63

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